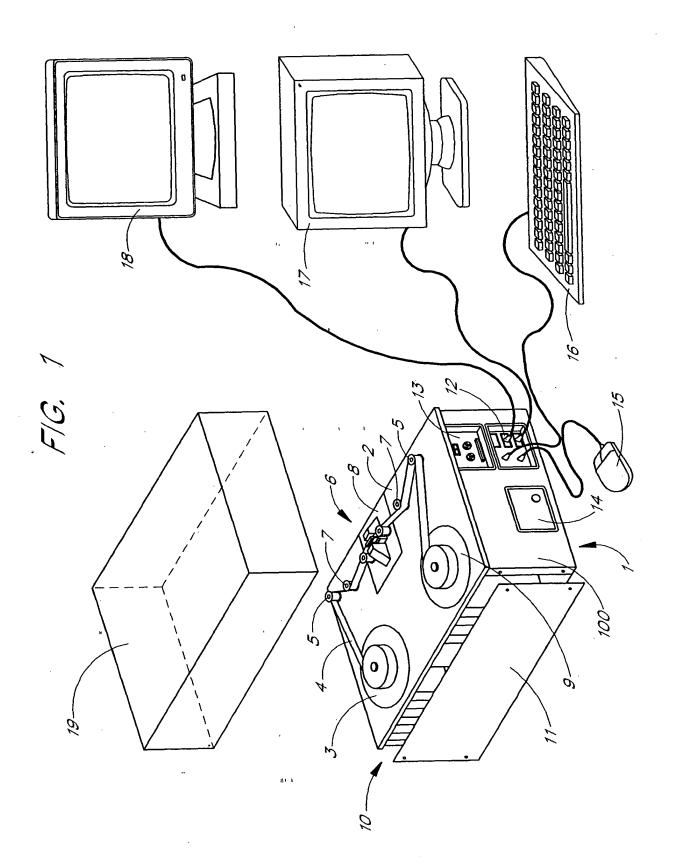
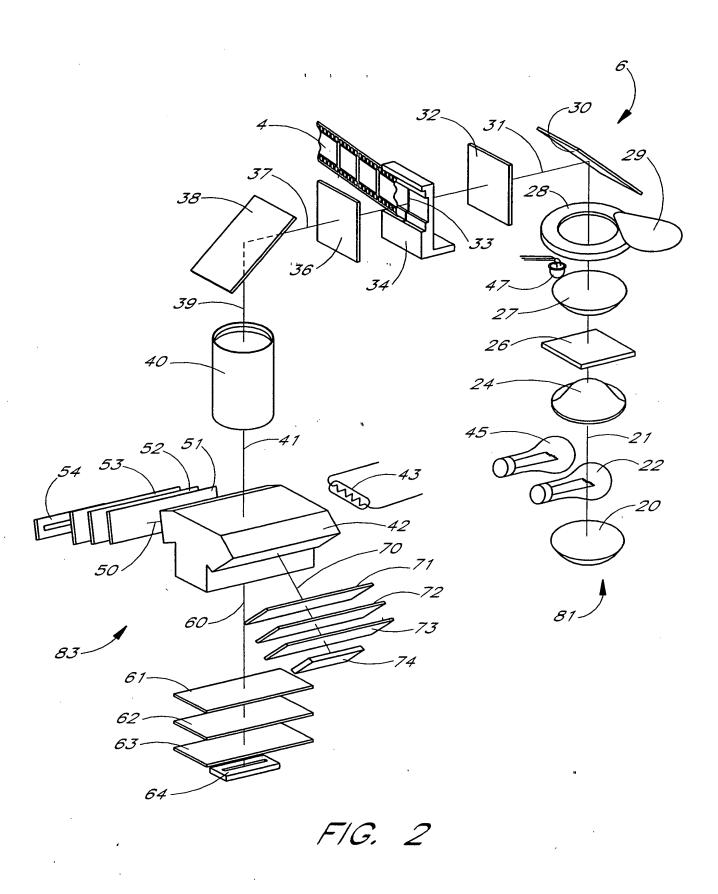
METHOD AND APPARATUS FOR SYNCHRONIZATION OF ANCILLARY... Tarnoff, et al. Atty Docket: DFR2000.008C1

Appl. No.: Unknown



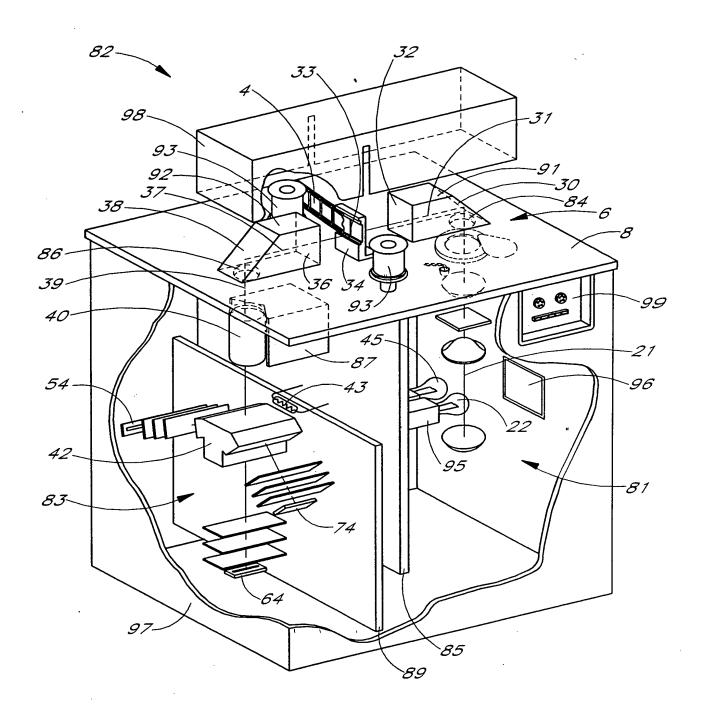
METHOD AND APPARATUS FOR SYNCHRONIZATION OF ANCILLARY... Tarnoff, et al. Appl. No.: Unknown Atty Docket: DFR2000.008C1



METHOD AND APPARATUS FOR SYNCHRONIZATION OF ANCILLARY...

Appl. No.: Unknown

Tarnoff, et al.
Atty Docket: DFR2000.008C1

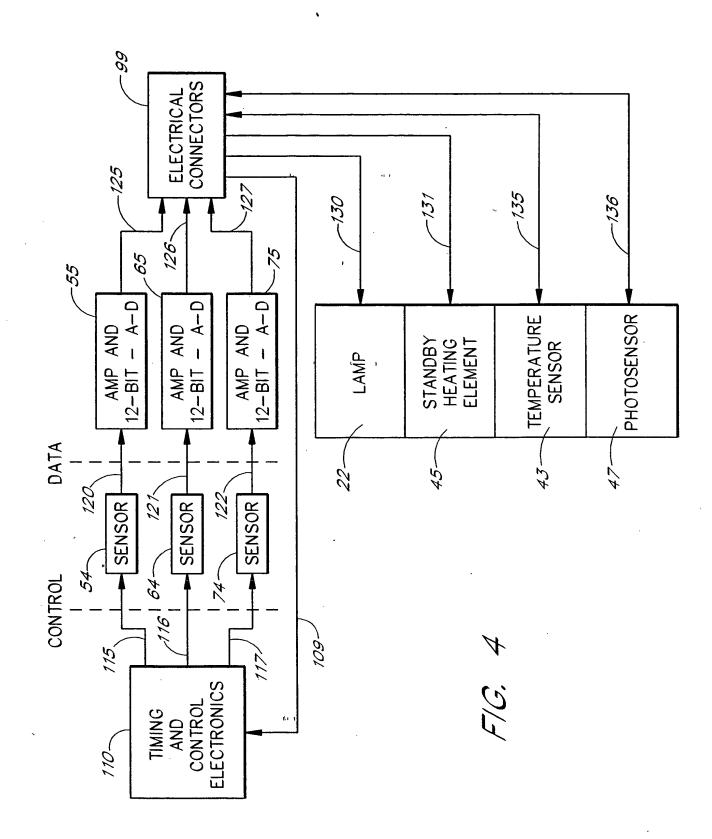


F/G. 3

METHOD AND APPARATUS FOR SYNCHRONIZATION OF ANCILLARY...

Tarnoff, et al.

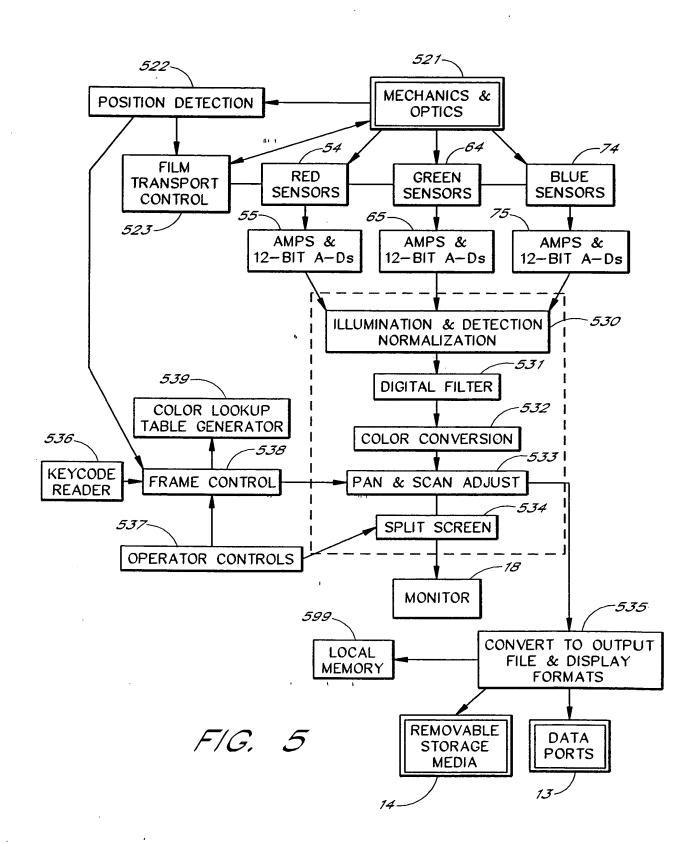
Appl. No.: Unknown Atty Docket: DFR2000.008C1



METHOD AND APPARATUS FOR SYNCHRONIZATION OF ANCILLARY...

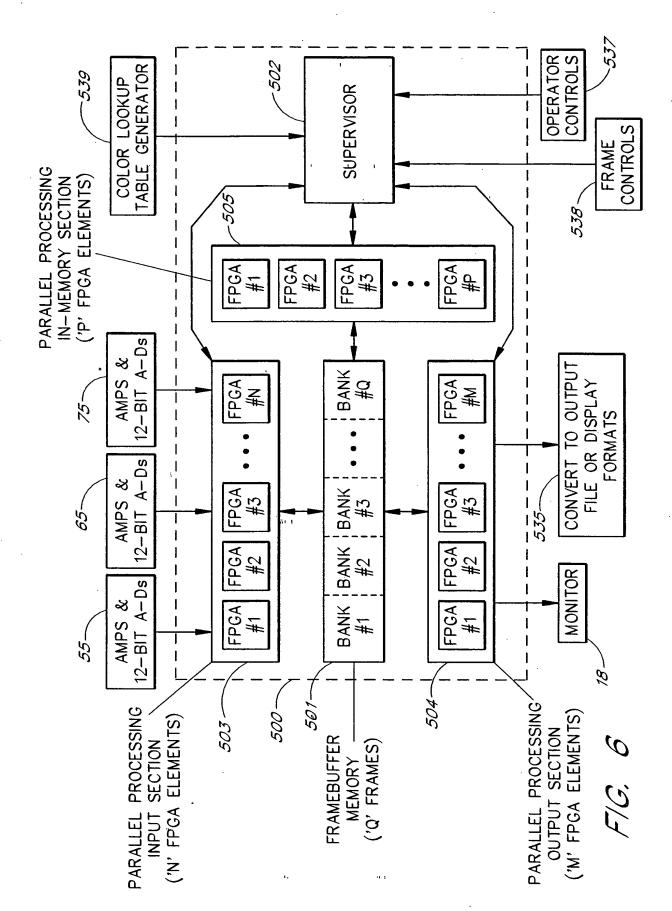
Tarnoff, et al.

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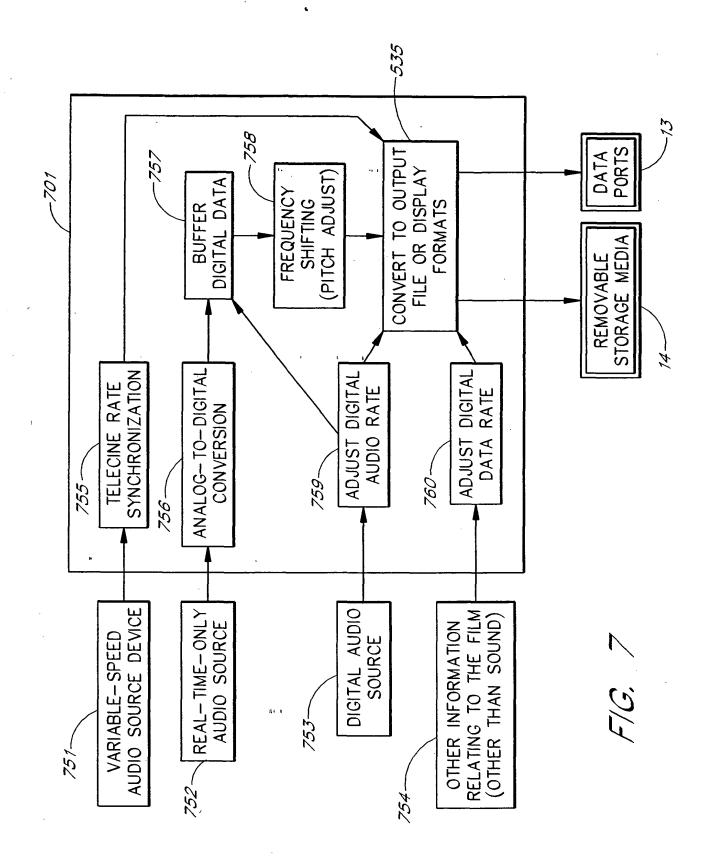
METHOD AND APPARATUS FOR SYNCHRONIZATION OF ANCILLARY... Tarnoff, et al. Atty Docket: DFR2000.008CI

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Appl. No.: Unknown



METHOD AND APPARATUS FOR SYNCHRONIZATION OF ANCILLARY...

Tarnoff, et al.

Appl. No.: Unknown Atty Docket: DFR2000.008C1

TABLE A - FILM INPUT FORMATS						
35 mm FILM FORMAT ¹	ASPECT IMAGE WIDTH (INCHES)		IMAGE HEIGHT (INCHES)	IMAGE TO FILM FRAME RATIO		
FULL-FRAME (SUPER 35)	1.33: 1	0.981	0.735	1.02		
ACADEMY	1.37:1	0.864	0.630	1.18		
ANAMORPHIC	1.18: 1	0.864	0.630	1.18		
1.85: 1	1.84: 1	0.864	0.469	1.59		
3 Perf 1.85:1	1.84: 1	0.864	0.560	1.33		
TV 4: 3	1.33: 1	0.816	0.612	1.22		
TV 16:9	1.78: 1	0.816	0.531	1.41		
3 Perf TV 16:9	1.78: 1	0.816	0.560	1.33		

¹⁴ PERF UNLESS OTHERWISE SPECIFIED

TABLE B - TELECINE TO SDTV THROUGHPUT RATES

TABLE B TELL	SDTV					
35 mm FILM	480 X 640 SCAN			480 X 704 SCAN		
FORMAT ¹	EXPOSURE (µs)	RATE (FPS)	x REAL-TIME (24 FPS)	EXPOSURE (µs)	RATE (FPS)	x REAL-TIME (24 FPS)
FULL-FRAME (SUPER 35)		190.29	7.93		173.09	7.21
ACADEMY	10.73	164.49	6.85	11.80	149.62	6.23
ANAMORPHIC		164.49	6.85		149.62	6.23
1.85: 1		122.08	5.09		111.04	4.63
3 Perf 1.85: 1		145.94	, , 6.08		132.75	5.53
TV 4: 3		159.10	6.63		144.72	6.03
TV 16:9		137.66	5.74		125.22	5.22
3 Perf TV 16:9		145.94	6.08		132.75	5.53

¹⁴ PERF UNLESS OTHERWISE SPECIFIED

METHOD AND APPARATUS FOR SYNCHRONIZATION OF ANCILLARY... Tarnoff, et al.

Appl. No.: Unknown Atty Docket: DFR2000.008C1

TABLE C - TELECINE TO HOTY THROUGHPUT RATINGS.

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	HDTV						
35 mm FILM	720 x 1280 SCAN			108	1080 x 1920 SCAN		
FORMAT ¹	EXPOSURE (µs)	RATE (FPS)	x REAL—TIME (24 FPS)	EXPOSURE (µs)	RATE (FPS)	x REAL-TIME (24 FPS)	
FULL—FRAME (SUPER 35)		63.63	2.65	32.07	28.31	1.18	
ACADEMY		55.00	2.29		24.47	1.02	
ANAMORPHIC	21.40	55.00	2.29		24.47	1.02	
1.85: 1		40.82	1.70		18.16	0.76	
3 Perf 1.85: 1		48.80	2.03		21.71	0.90	
TV 4: 3		53.20	2.22		23.67	0.99	
TV 16:9		46.03	1.92		20.48	0.85	
3 Perf TV 16:9		48.80	2.03		21.71	0.90	

¹⁴ PERF UNLESS OTHERWISE SPECIFIED

TABLE D - VIDEO OUTPUT FORMATS

LADEL		VIDEO COTTOT	01111111111				
VIDEO FORMAT		INTERLACE	ASPECT RATIO	FRAME RATES ¹ (Hz)	FILM INPUT SCAN RATE (FPS)	REAL—TIME TELECINE THROUGHPUT ²	
		NTSC	í	4: 3	29.97	48	x 5
TV		PAL	i	4: 3	25	48	x 5
		SECAM	i	4: 3	25	48	x 5
DTV	SDTV	480 x 640	i	4: 3	30	48	x 5
		480 x 640	Р	4: 3	24, 30, 60	48	x 5
		480 x 704	i	16: 9	30	48	x 2
		480 x 704	Р	16: 9	24, 30, 60	48	× 2
	HDTV	720 x 1280	P,	16: 9	24, 30, 60	24	x 1
		1080 x 1920	i	16: 9	30	18	× ¾
		1080 x 1920	Р	16: 9	24, 30	18	× ¾

¹ WITH REQUISITE PULLDOWNS

² WITH FILM SHOT AT 24 FPS